

- 1 For ground mounting, comply with Article 903-3.  
 2 For mast arm mounting, install attachment brackets to allow adjustment so signs:  
 3 (A) Are aimed in required direction,  
 4 (B) Are plumb as viewed from respective approaches,  
 5 (C) May be tilted forward or backward as required, and  
 6 (D) May be raised or lowered on mast arm throughout full length of sign.

7 **1745-4 MEASUREMENT AND PAYMENT**

8 *Sign for Signals* will be measured and paid as the actual number of signs for signals,  
 9 regardless of mounting method, furnished, installed and accepted.

10 Payment will be made under:

<b>Pay Item</b>	<b>Pay Unit</b>
Sign for Signals	Each

11 **SECTION 1746**  
 12 **RELOCATE EXISTING SIGN**

13 **1746-1 DESCRIPTION**

14 Relocate existing signs.

15 **1746-2 CONSTRUCTION METHODS**

16 As directed by the plans, relocate existing signs. Comply with Article 1745-3.

17 **1746-3 MEASUREMENT AND PAYMENT**

18 *Relocate Existing Sign* will be measured and paid as the actual number of existing signs,  
 19 regardless of mounting method, relocated and accepted.

20 Payment will be made under:

<b>Pay Item</b>	<b>Pay Unit</b>
Relocate Existing Sign	Each

21 **SECTION 1747**  
 22 **LED BLANKOUT SIGN**

23 **1747-1 DESCRIPTION**

24 Furnish and install Light Emitting Diode (LED) blankout signs with all necessary hardware as  
 25 set forth in the plans and specifications. Design the signs with the options to display "NO  
 26 (LEFT or RIGHT) TURN TRAIN". Fabricate the sign to be between 27" and 29" wide,  
 27 between 37" and 39" high and approximately 8" deep.

28 **1747-2 MATERIAL**

29 Furnish material, equipment and hardware under this section that is pre-approved on the  
 30 ITS and Signals QPL.

31 **1747-3 CONSTRUCTION METHODS**

32 Install LED blankout signs with wire entrance fittings, span wire cable mounting assemblies,  
 33 pedestal mounting assemblies, signal cable, lashing wire and all necessary hardware.

34 Relocate existing blankout signs with all necessary hardware.

## Section 1750

### 1747-4 MEASUREMENT AND PAYMENT

*LED Blankout Signs* will be measured and paid as the actual number of LED blankout signs with mounting hardware furnished, installed and accepted.

*Relocate Existing Blankout Sign* will be measured and paid as the actual number of blankout signs relocated and accepted.

Payment will be made under:

Pay Item	Pay Unit
LED Blankout Signs	Each
Relocate Existing Blankout Sign	Each

## SECTION 1750

### SIGNAL CABINET FOUNDATIONS

#### 1750-1 DESCRIPTION

Furnish and install signal cabinet foundations and all necessary hardware.

Furnish either poured concrete foundations or preformed cabinet pad foundations and all necessary hardware. Obtain approval of foundation type.

#### 1750-2 MATERIAL

Refer to Division 10.

Item	Section
Signal Cabinet Foundation	1098-15
Portland Cement Concrete	1000-4

Furnish preformed cabinet pad foundation material, equipment and hardware under this section that is pre-approved on the ITS and Signals QPL.

#### 1750-3 CONSTRUCTION METHODS

Comply with Section 825.

When using poured concrete foundations, use procedures, equipment and hardware as follows:

(A) Locate new cabinets so as not to obstruct sight distance of vehicles turning on red.

(B) Obtain approval for final cabinet foundation locations before pouring concrete base.

(C) Do not install foundations over uncompacted fill or muck.

(D) Hand tamp soil before placing concrete and ensure ground is level.

(E) Maintain 12" minimum from service pole to closest point on foundation unless otherwise approved.

(F) Use a minimum of four 1/2" diameter expanding type anchor bolts to secure cabinet to foundation.

(G) Install minimum 4" above and 4" below finished grade.

(H) Locate external stubbed out conduit at cabinet foundation so conduit is in middle of cabinet. Provide service conduit as the rightmost conduit coming into cabinet. Provide 2 spare conduits stubbed out; one pointed toward service pole and the other toward direction of lead in cable. Inscribe identification arrow in foundation indicating direction of spare conduits.